

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
11 November 2004 (11.11.2004)

PCT

(10) International Publication Number
WO 2004/096982 A3

(51) International Patent Classification⁷: C07D 401/06,
A61K 31/47

(74) Agents: MADDEN, Laura, K. et al.; SMITHKLINE
BEECHAM CORPORATION, Corporate Intellectual
Property, UW2220, 709 Swedeland Road, P.O. Box 1539,
King of Prussia, PA 19406-0939 (US).

(21) International Application Number:
PCT/US2003/035201

(81) Designated States (*national*): AE, AG, AL, AU, BA, BB,
BR, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, EG, GD, GE,
HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV,
MA, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, SC,
SG, TN, TT, UA, US, UZ, VN, YU, ZA.

(22) International Filing Date:
4 November 2003 (04.11.2003)

(25) Filing Language: English

(84) Designated States (*regional*): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data:
60/423,858 5 November 2002 (05.11.2002) US

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(71) Applicant (*for all designated States except US*):
SMITHKLINE BEECHAM CORPORATION
[US/US]; One Franklin Plaza, P.O. Box 7929, Philadel-
phia, PA 19101 (US).

(88) Date of publication of the international search report:
17 February 2005

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): LAXTEN, Jeffrey,
Michael [US/US]; 1250 South Collegeville Road, Col-
legeville, PA 19426 (US). MILLER, William, Henry
[US/US]; 1250 South Collegeville Road, Collegeville, PA
19426 (US). SEEFELD, Mark, Antony [US/US]; 1250
South Collegeville Road, Collegeville, PA 19426 (US).

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: ANTIBACTERIAL AGENTS

(57) Abstract: Quinoline and naphthyridine derivatives useful in the treatment of bacterial infections in mammals, particularly humans.



WO 2004/096982 A3